

FIG. 1

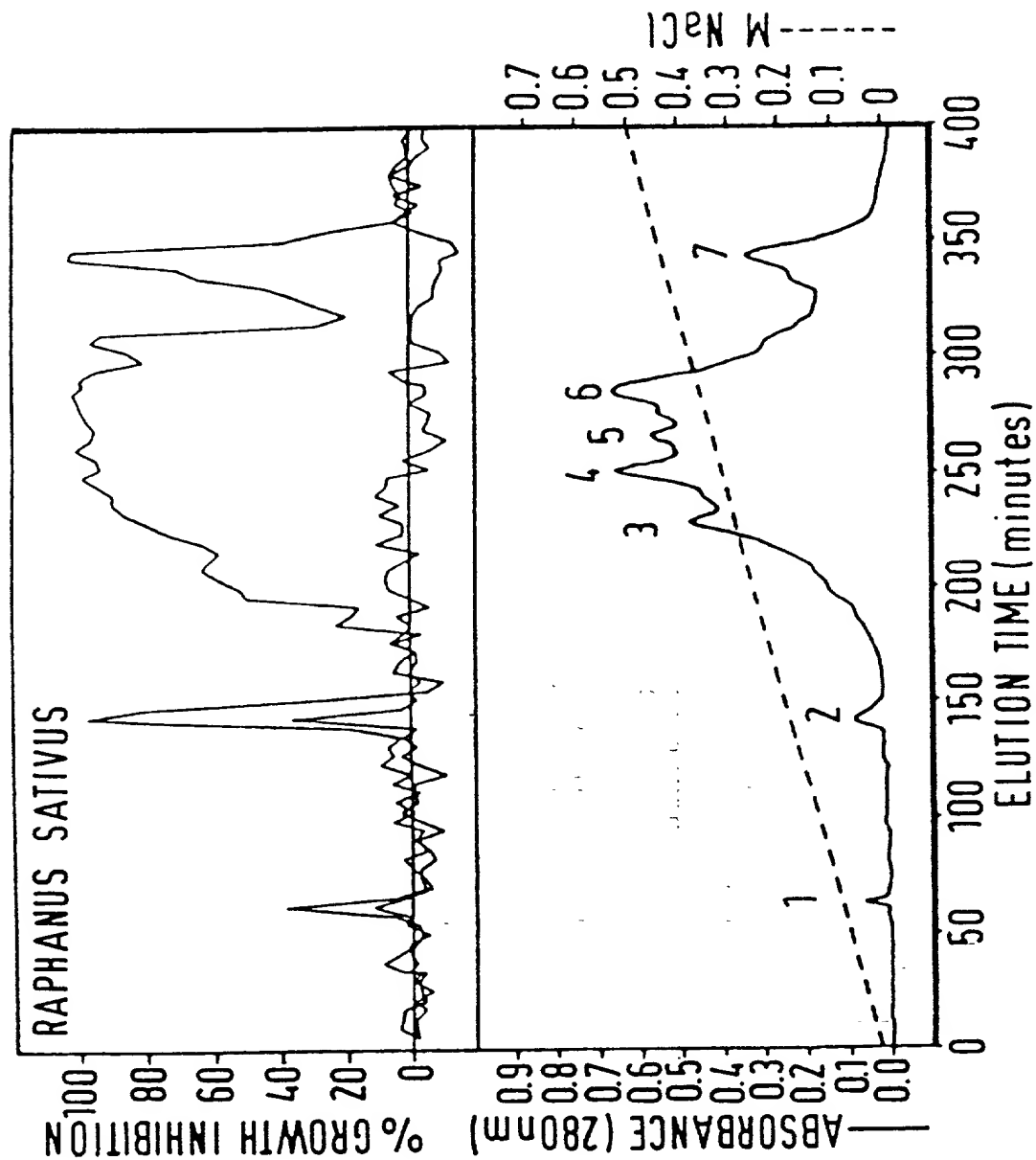


FIG. 2A

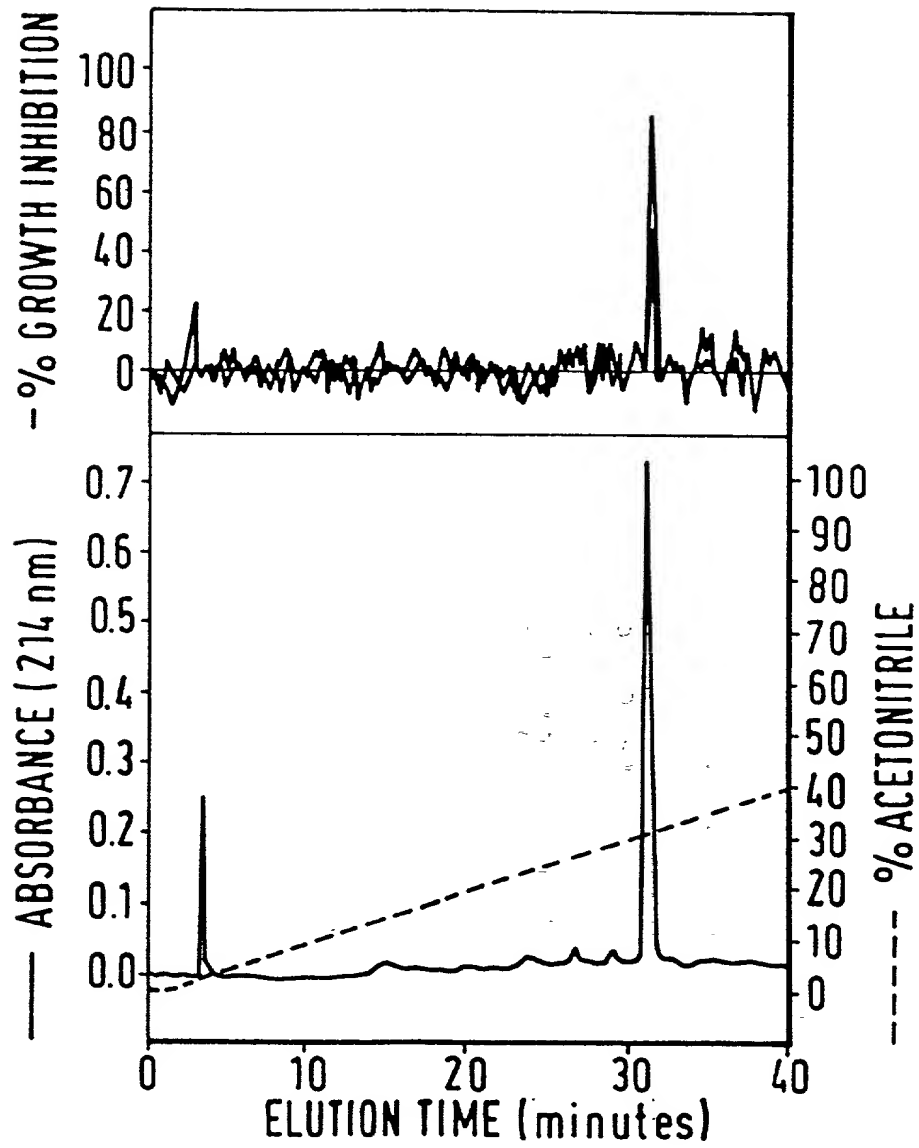


FIG. 2B

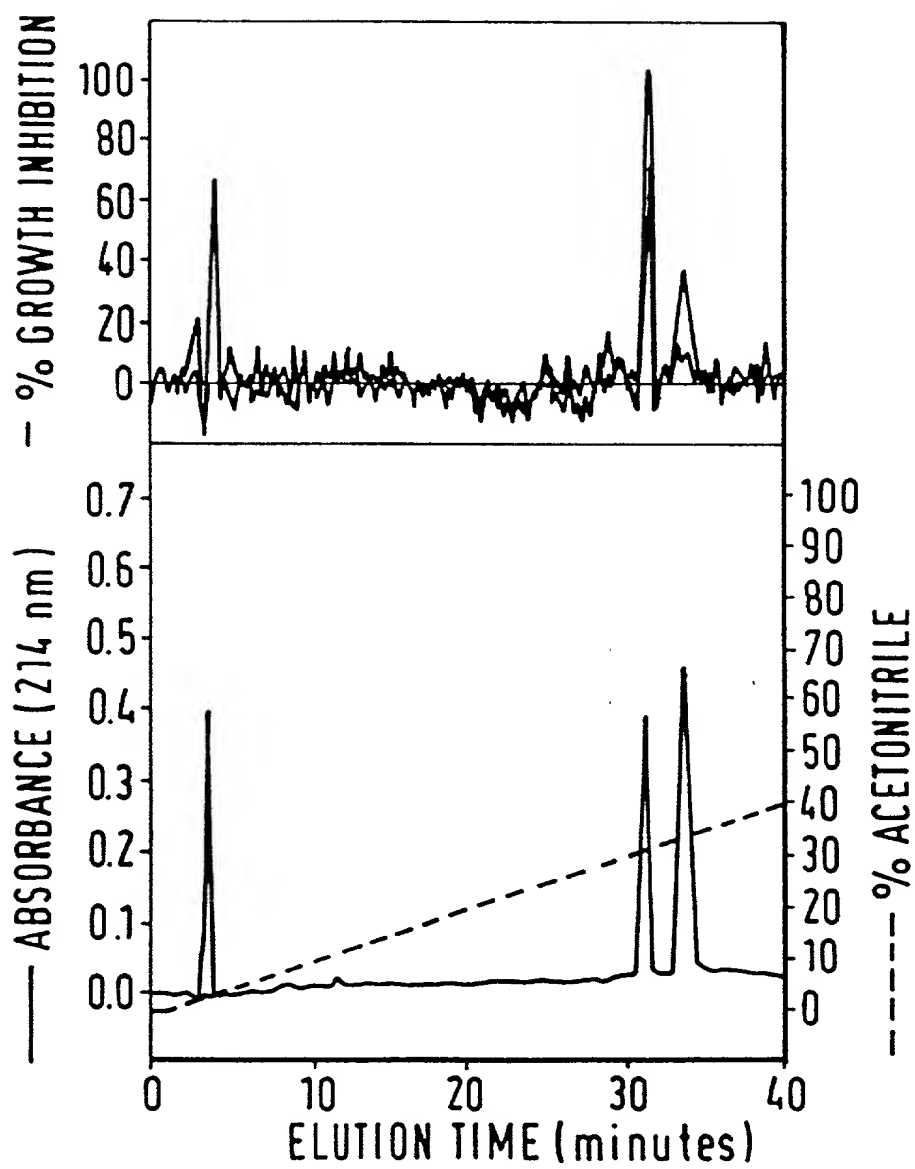
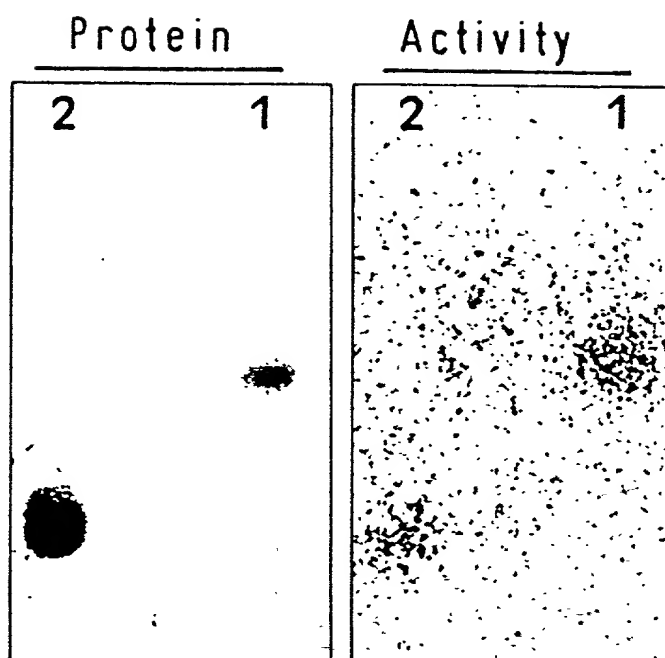
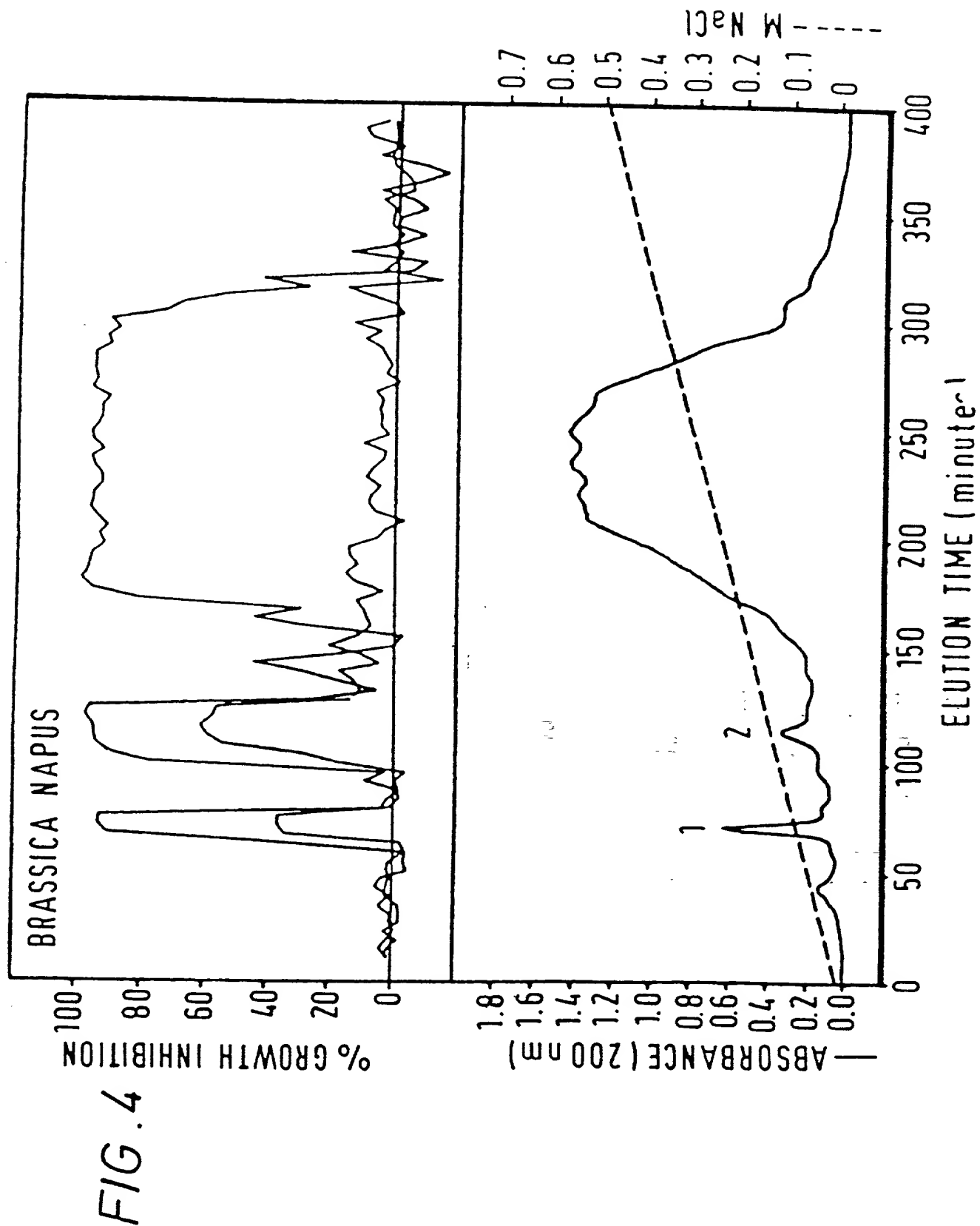


FIG. 3





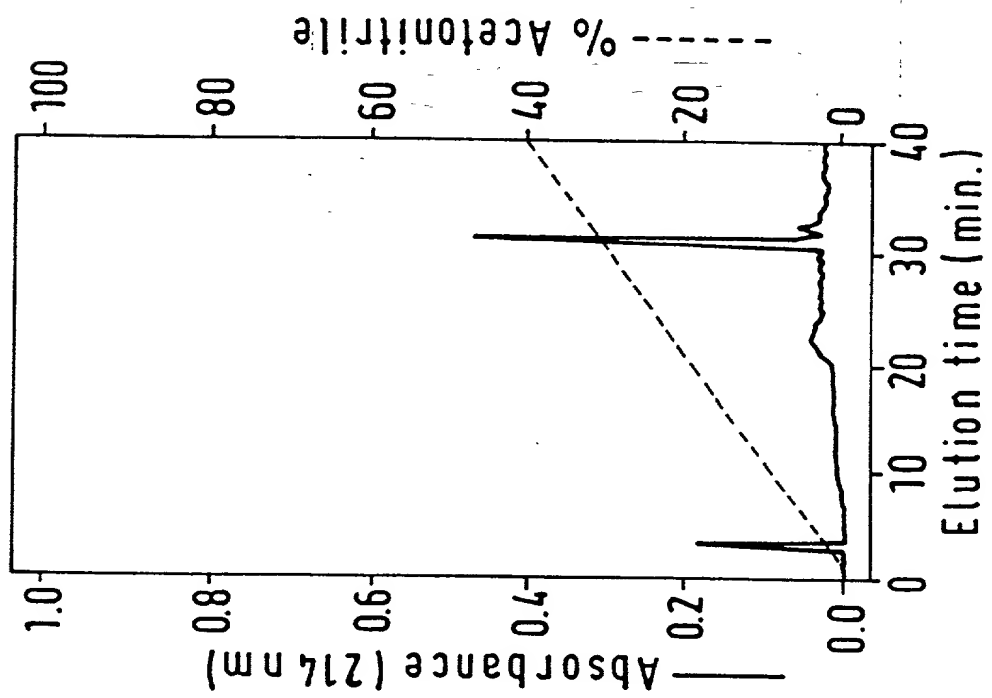


FIG. 5

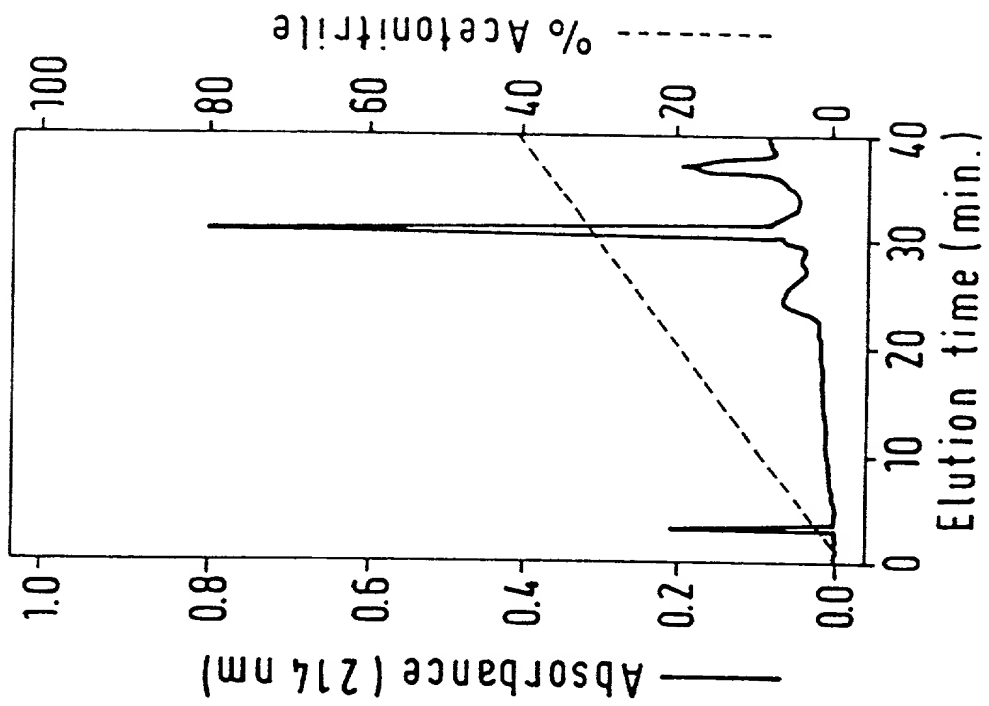


FIG. 6

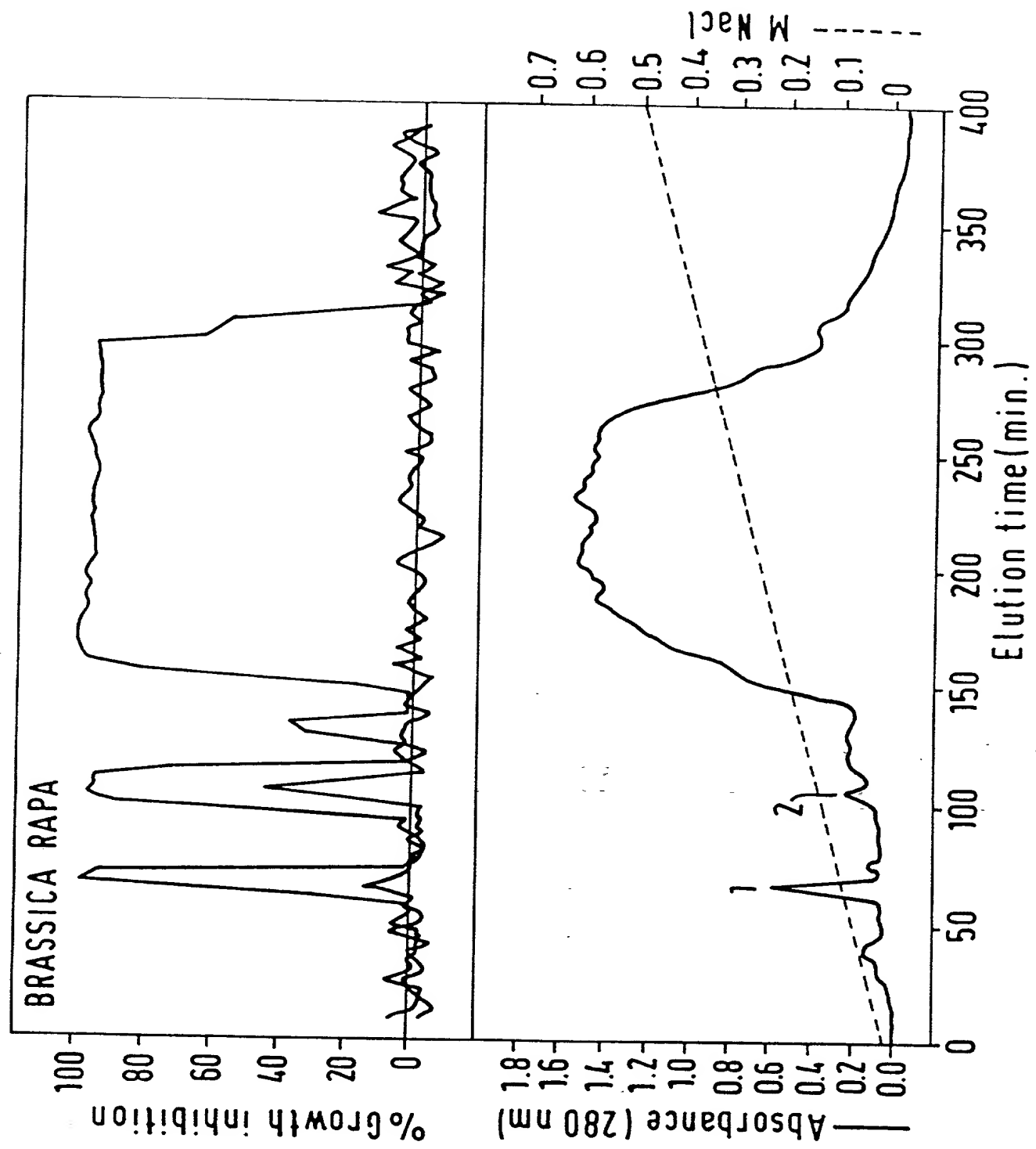


FIG. 7

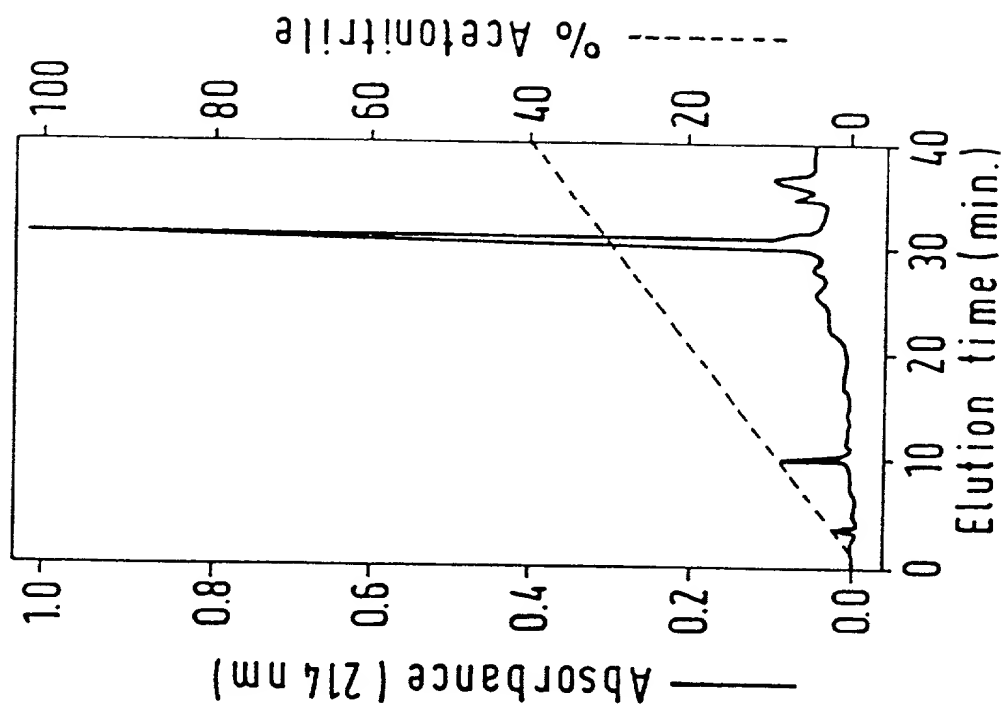
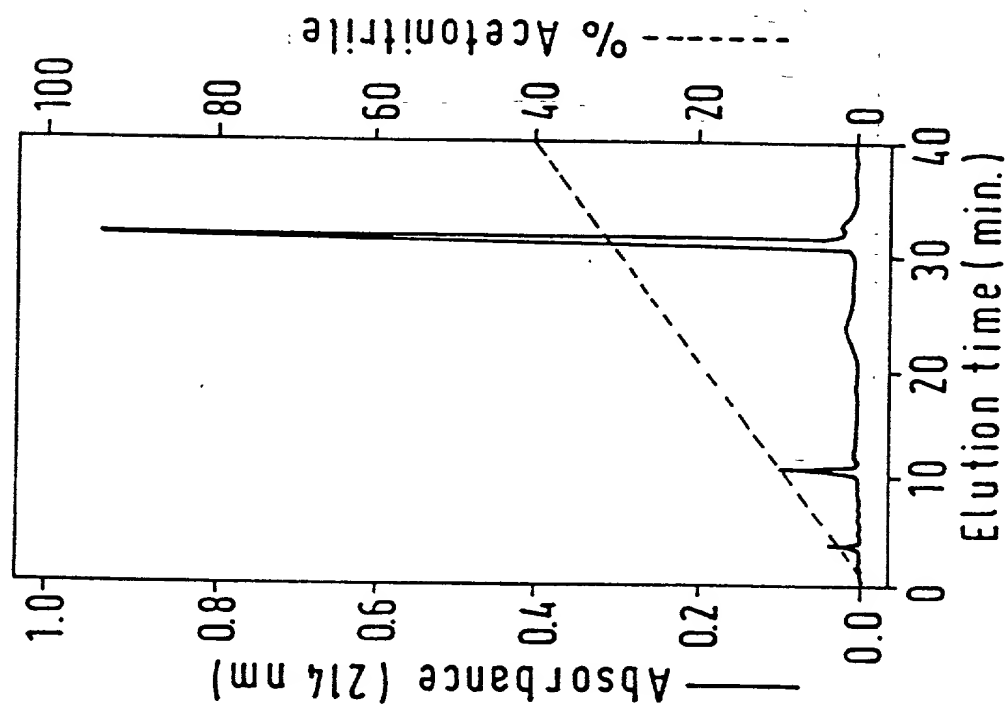
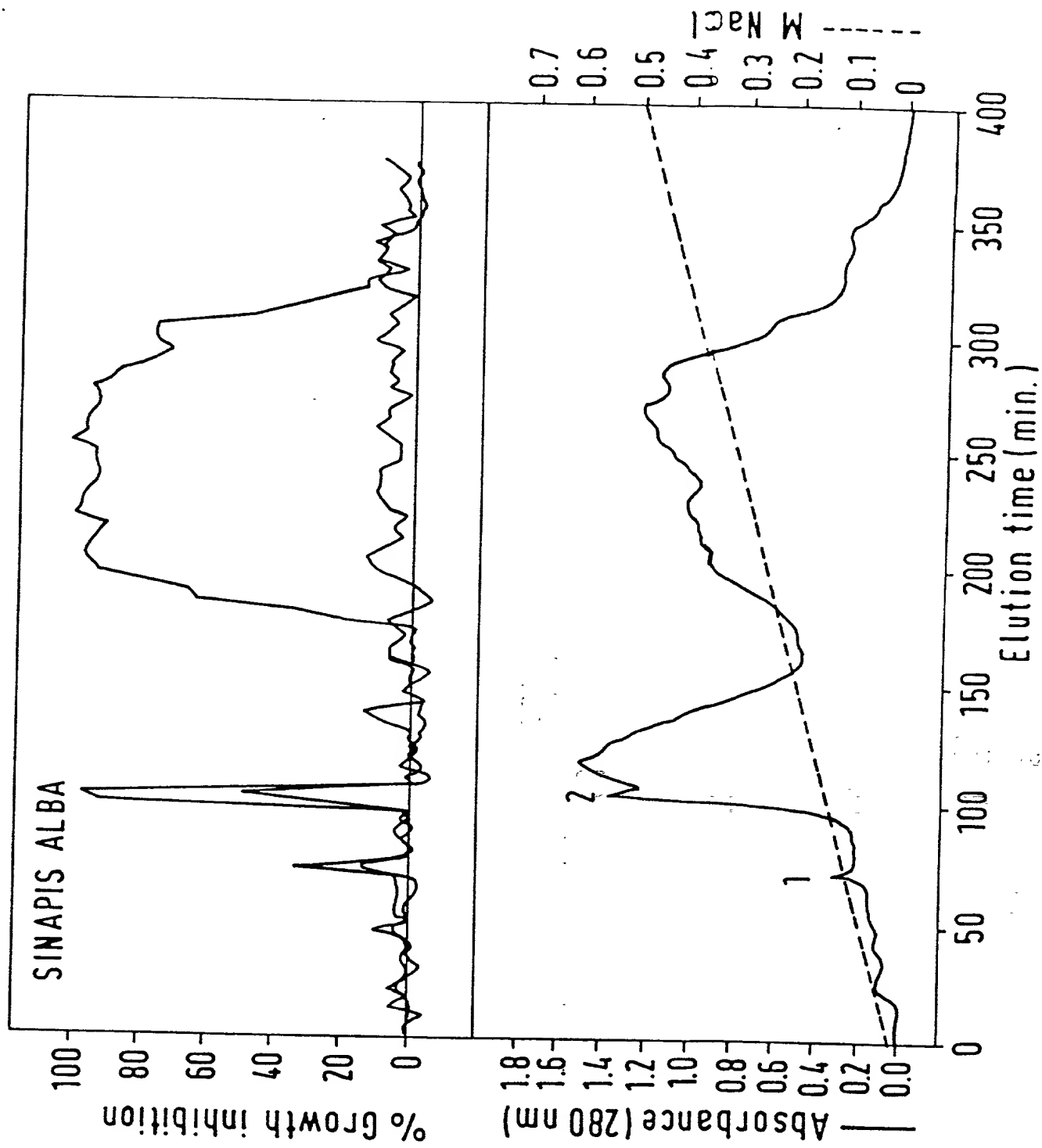


FIG. 8



100-100000

FIG. 9

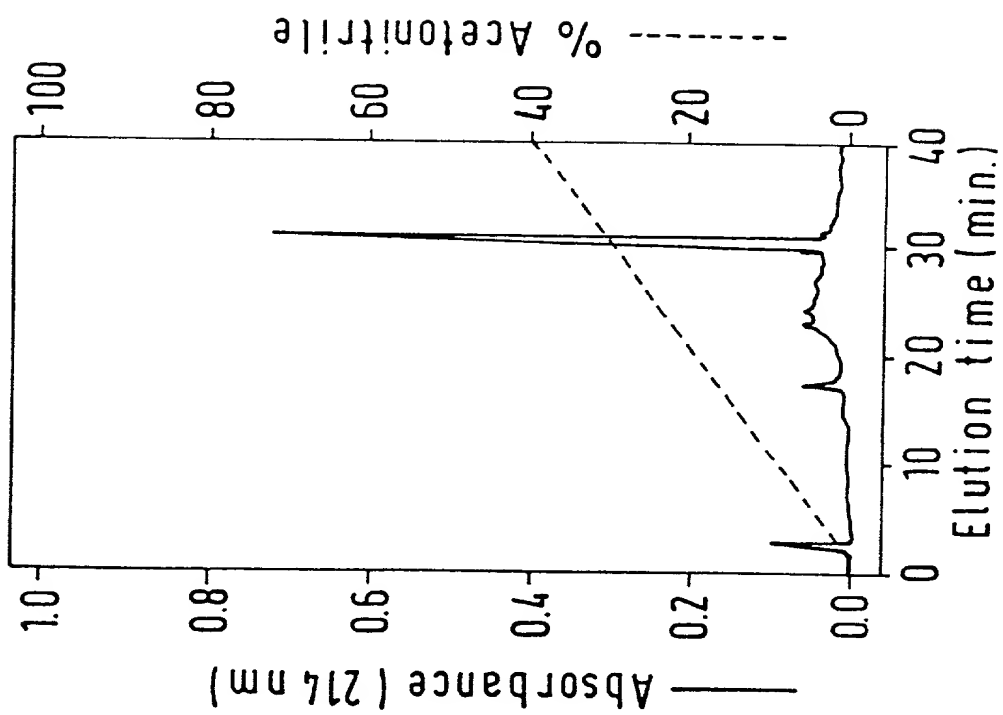
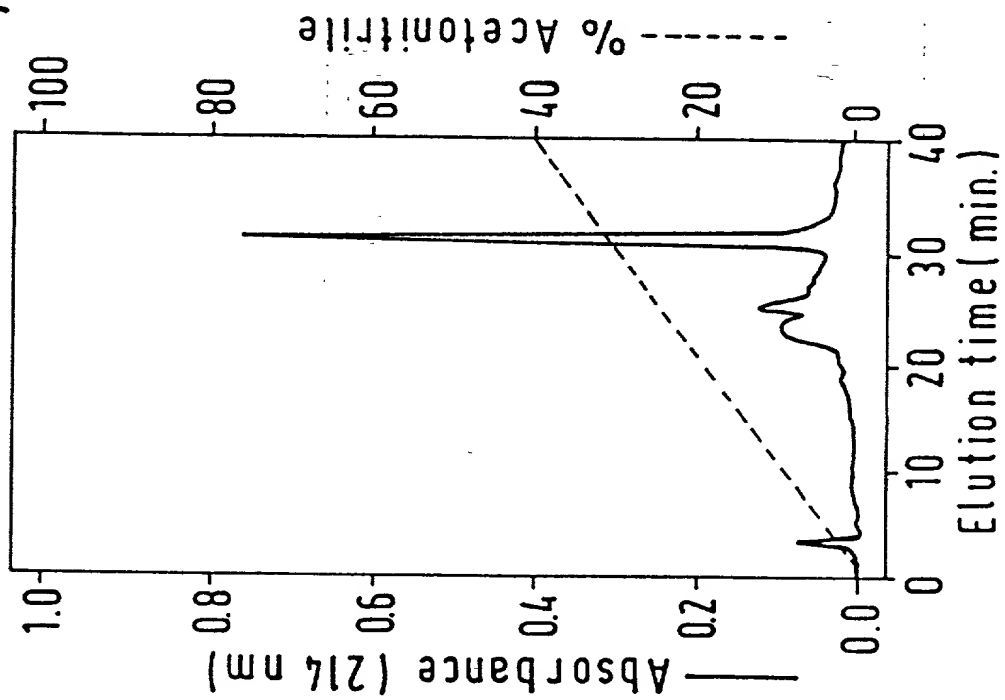


FIG.10

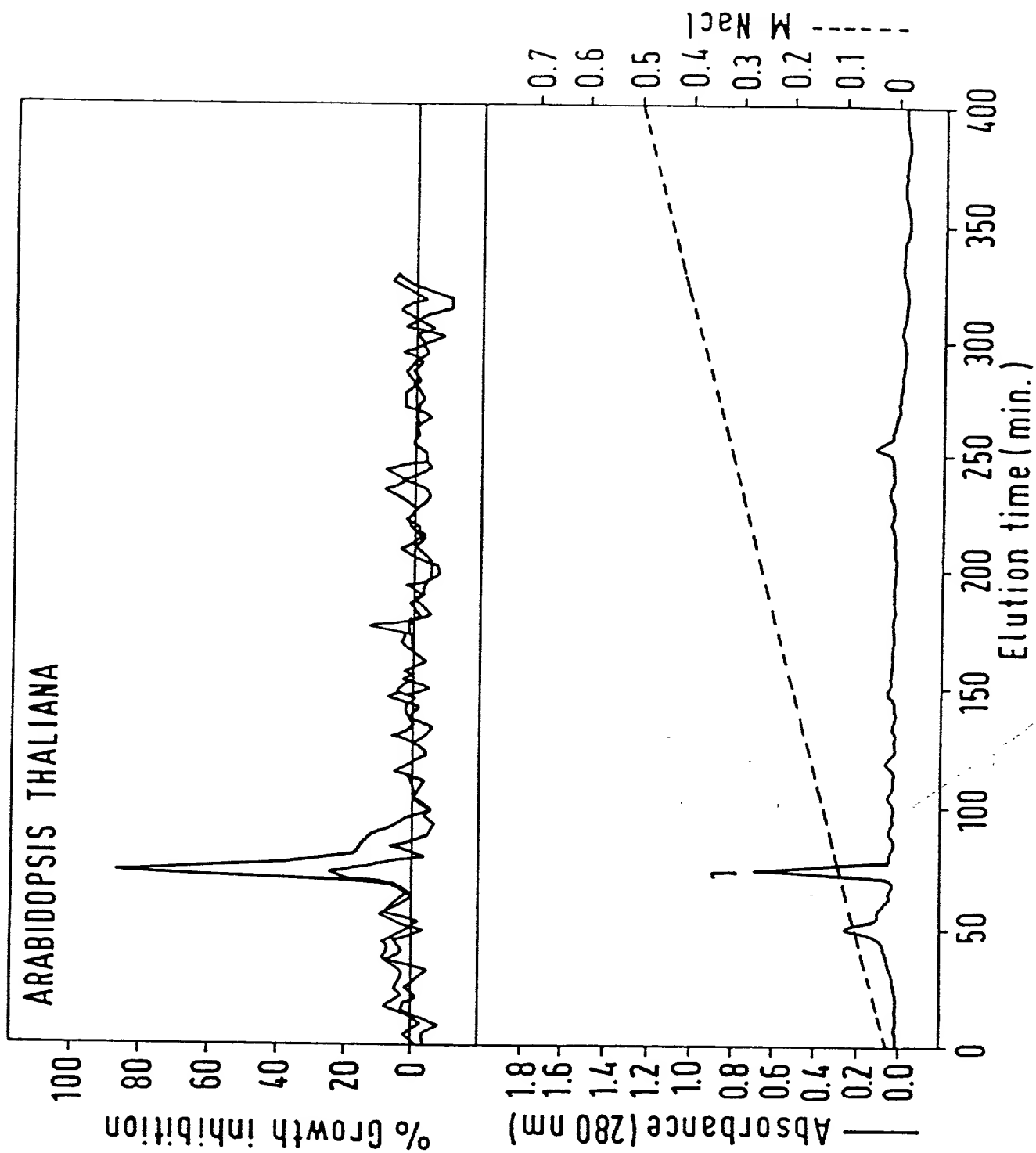


FIG. 11

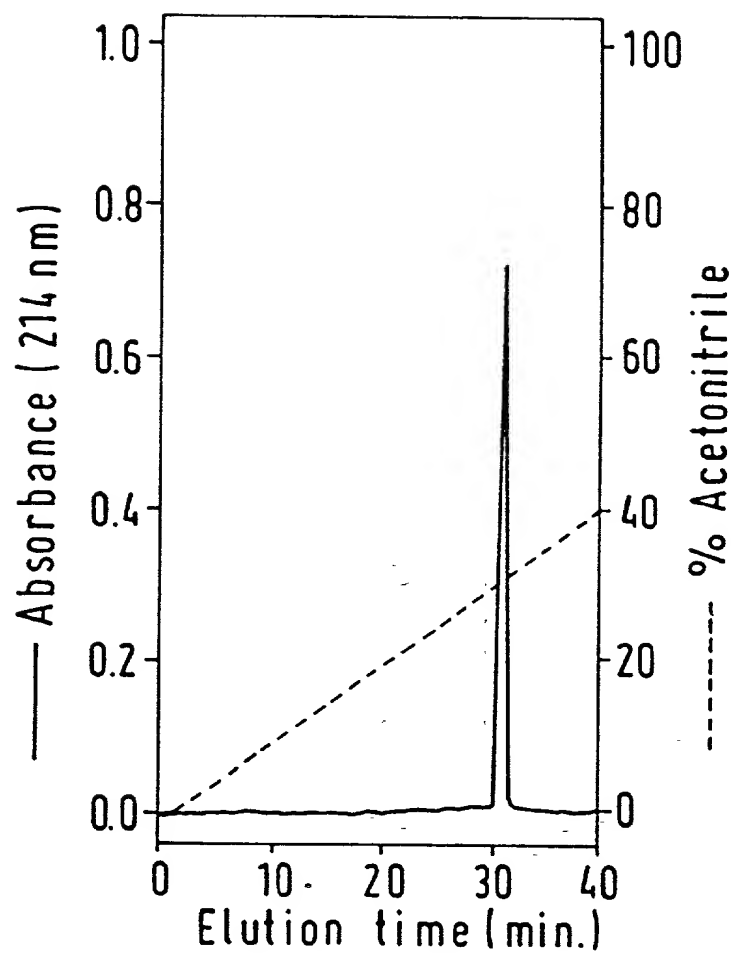


FIG. 12

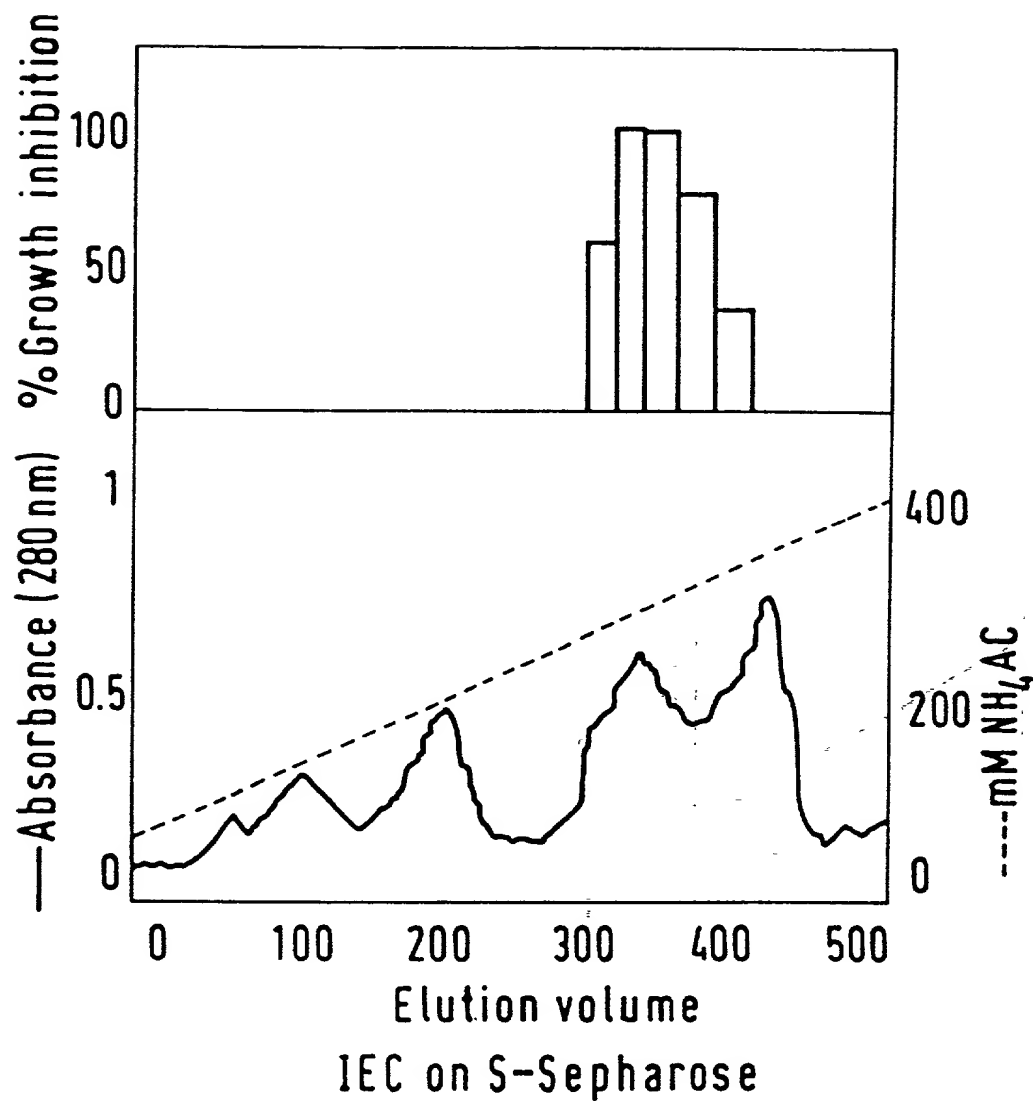


FIG. 13

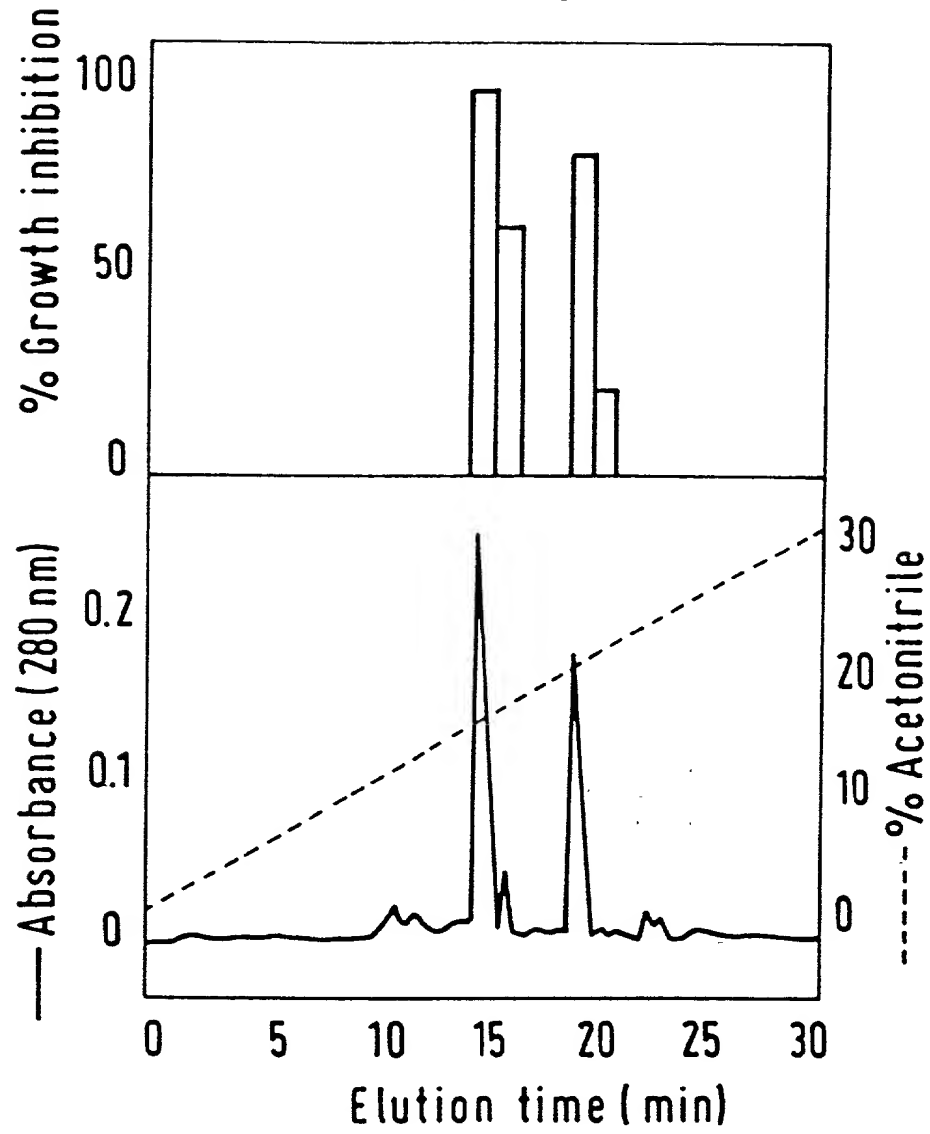


FIG. 14

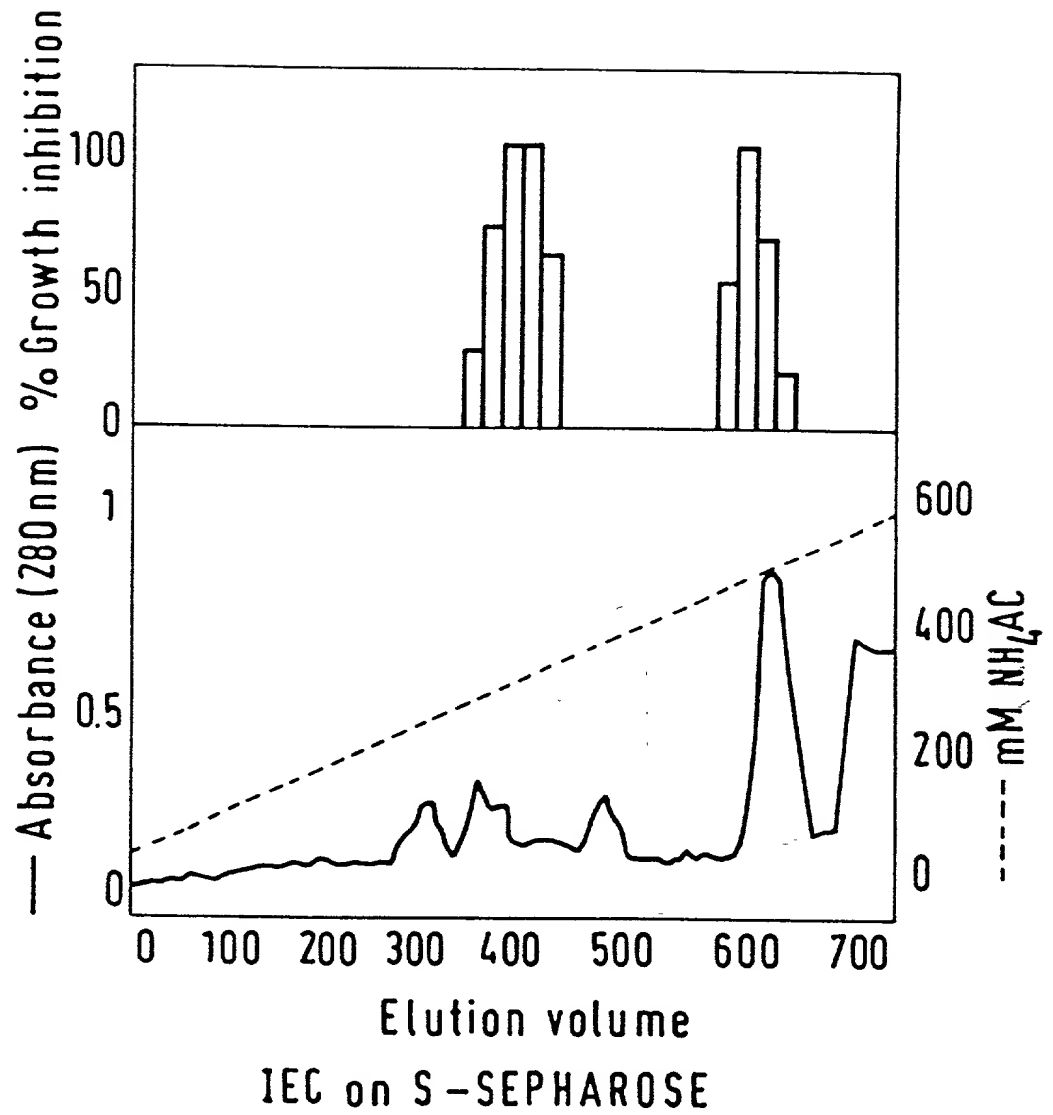


FIG. 15

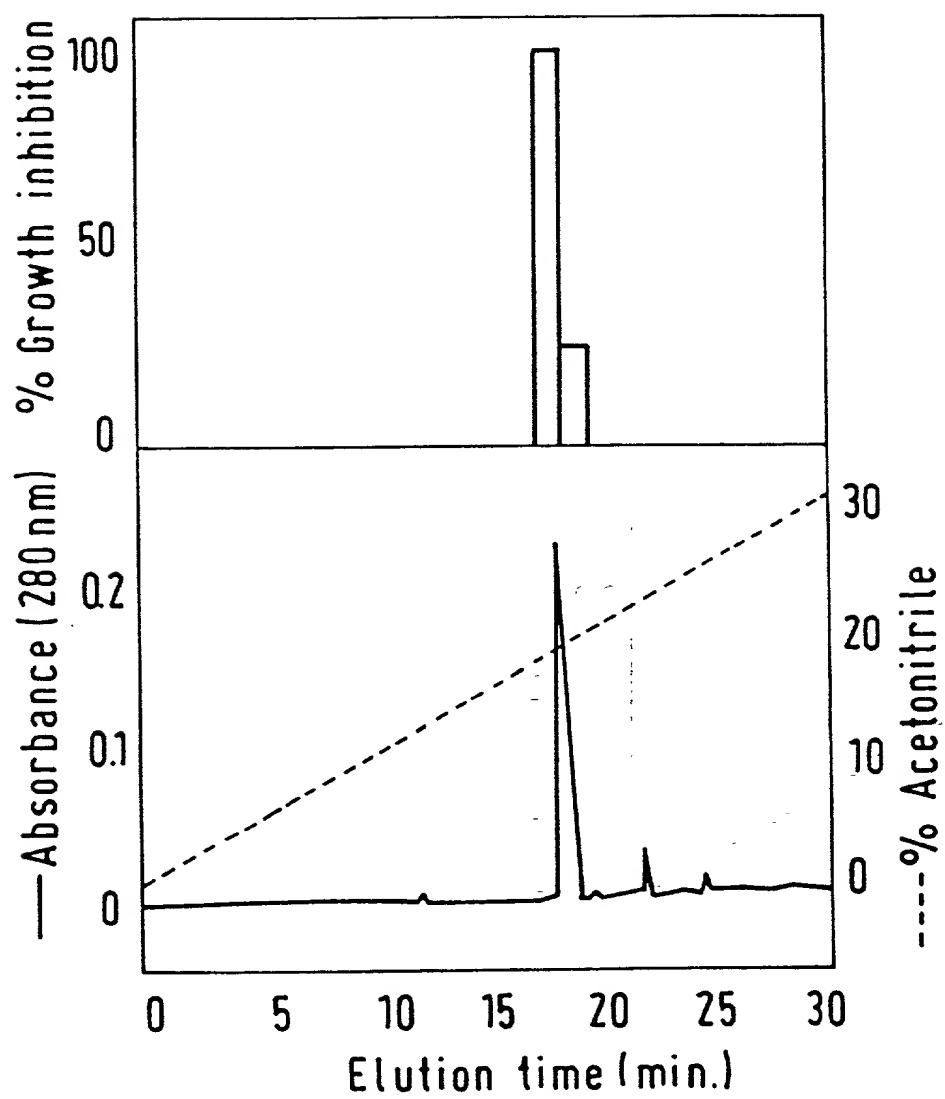


FIG. 16

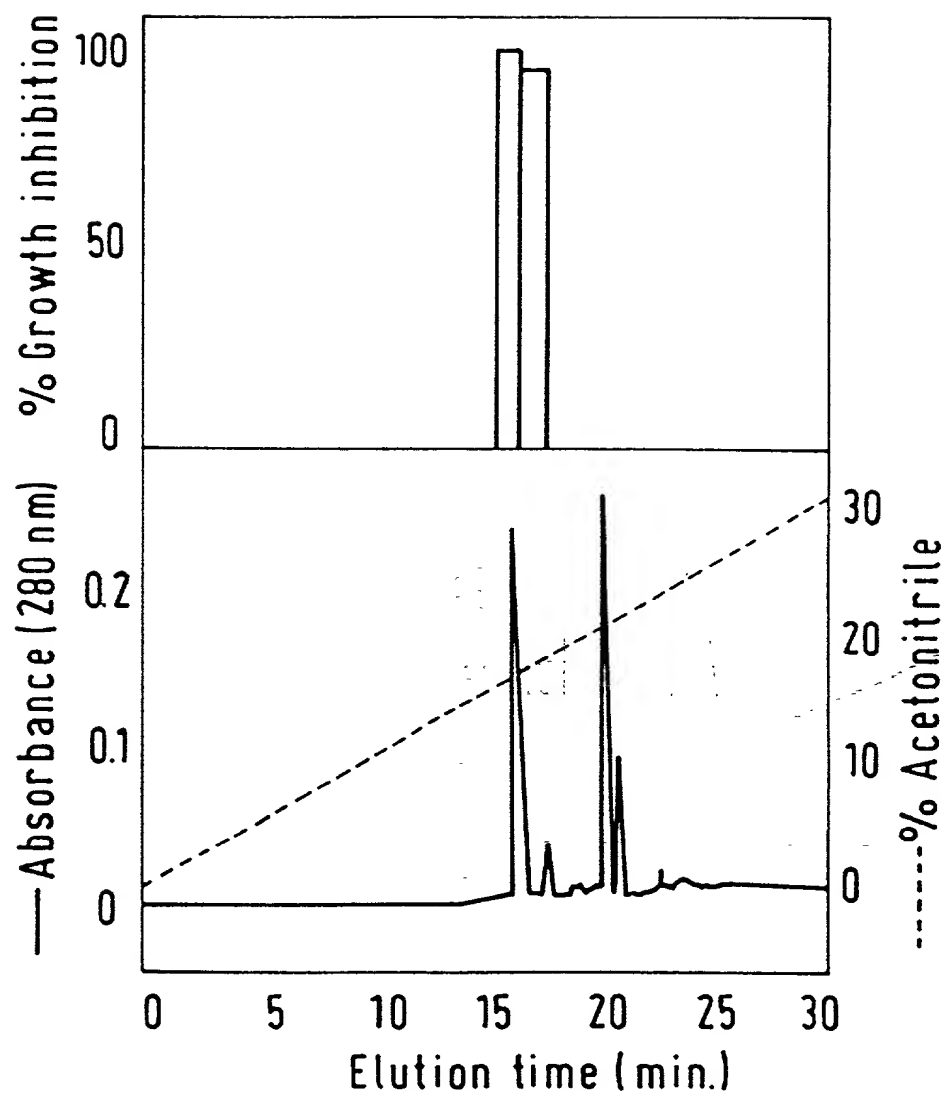


FIG. 17

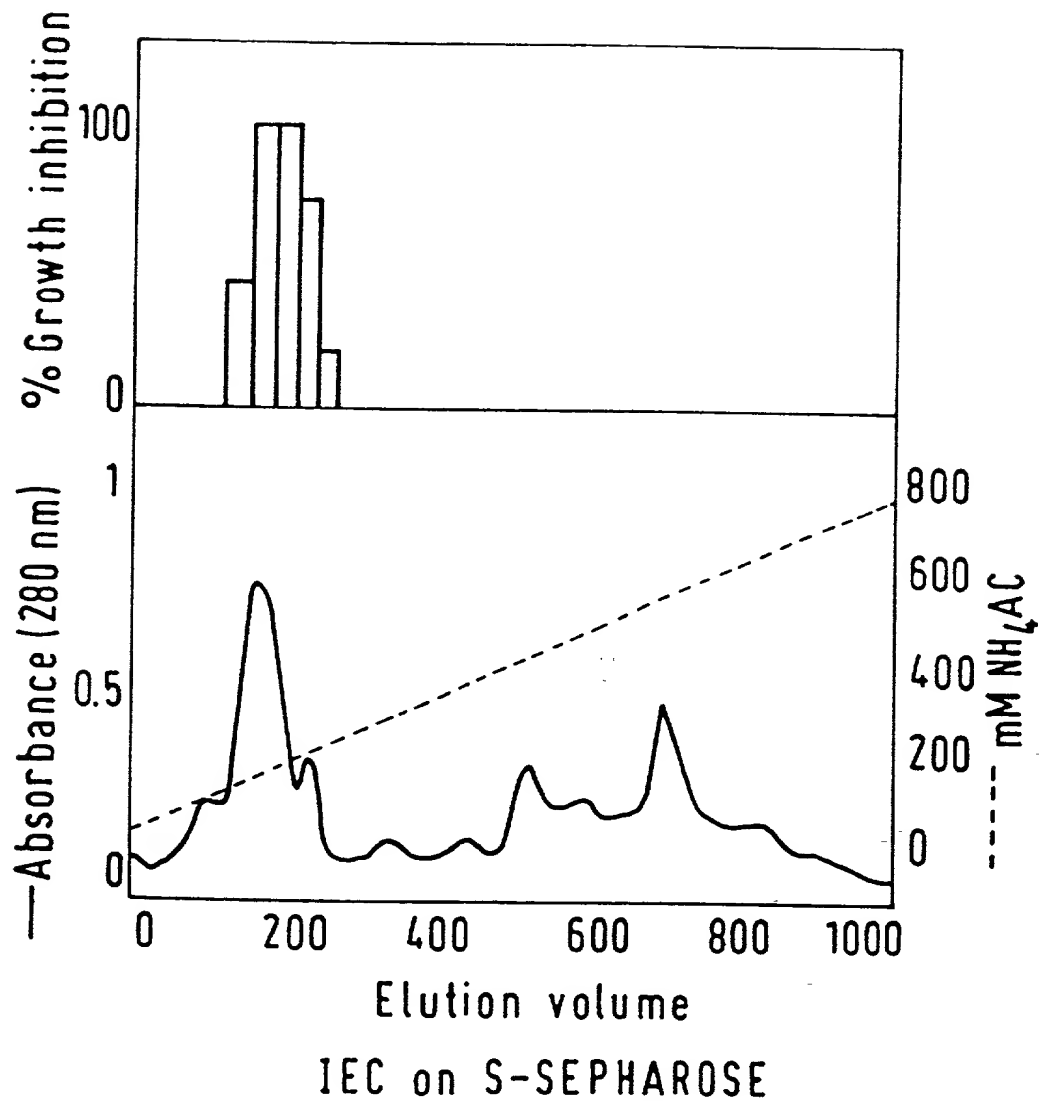


FIG. 18

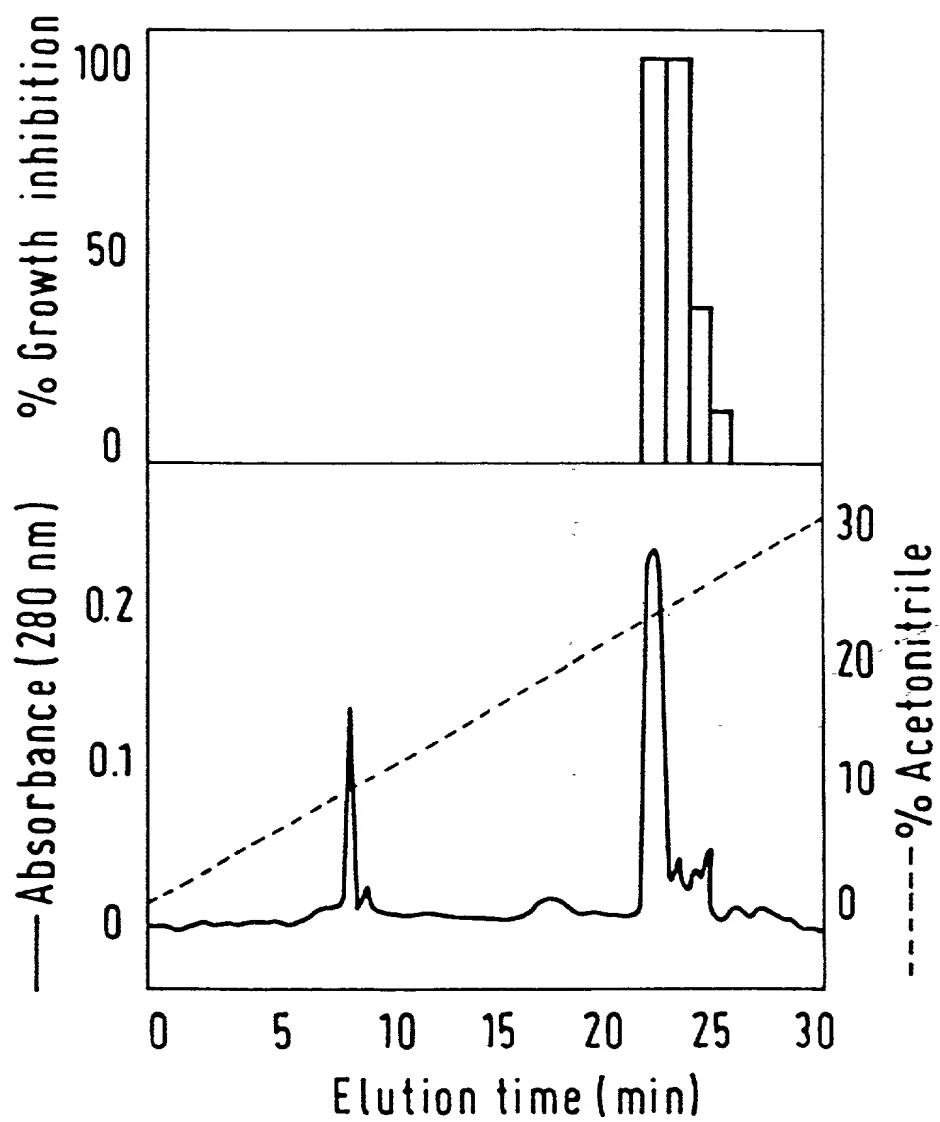


FIG. 19

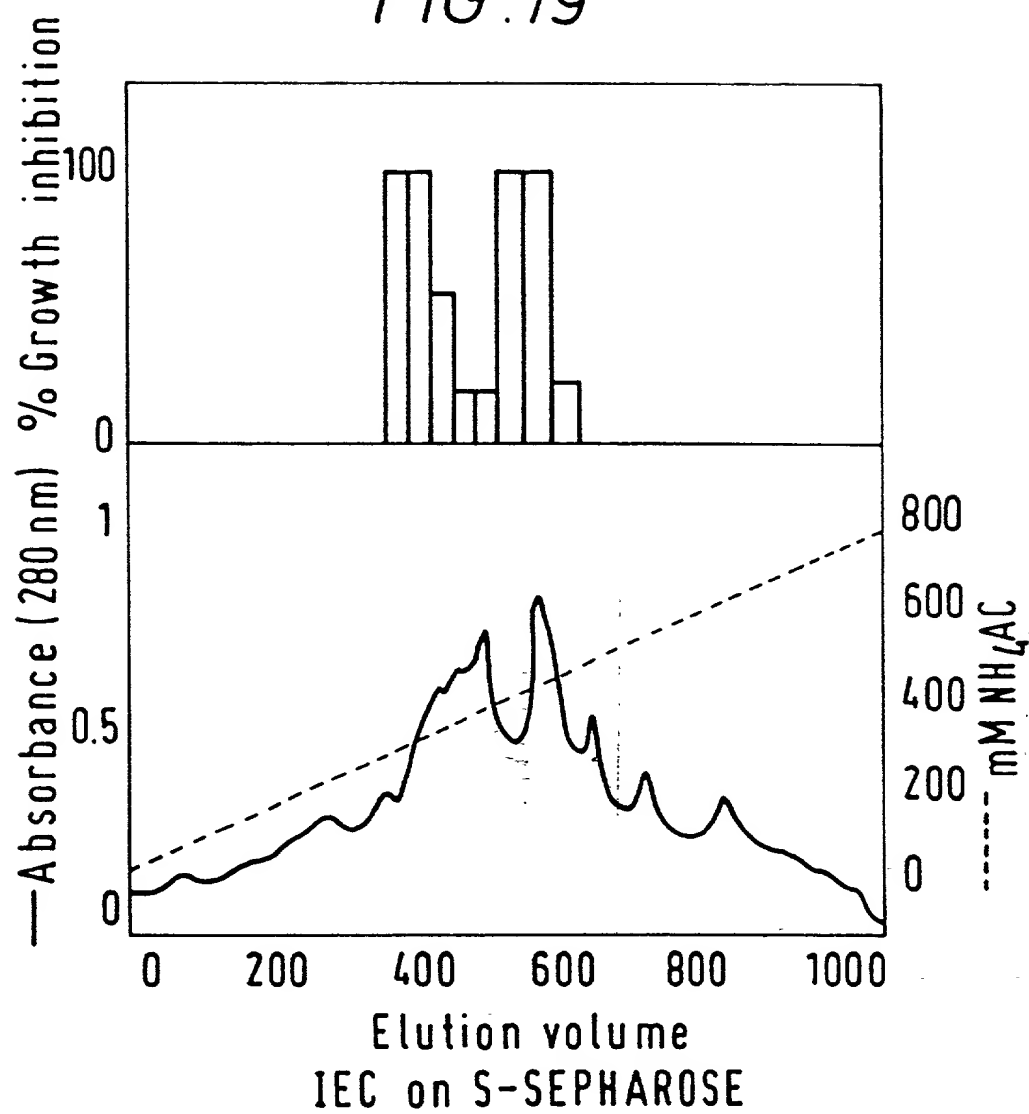


FIG. 20

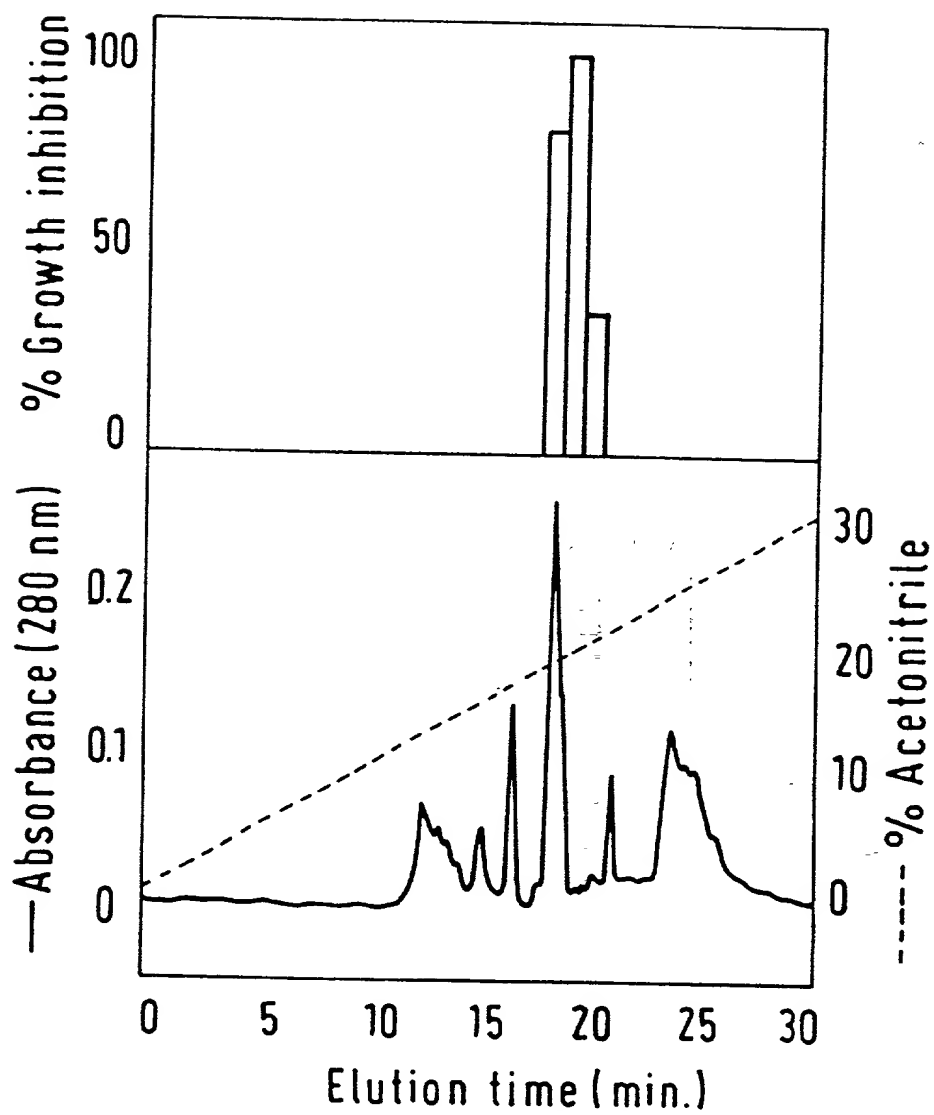


FIG. 21

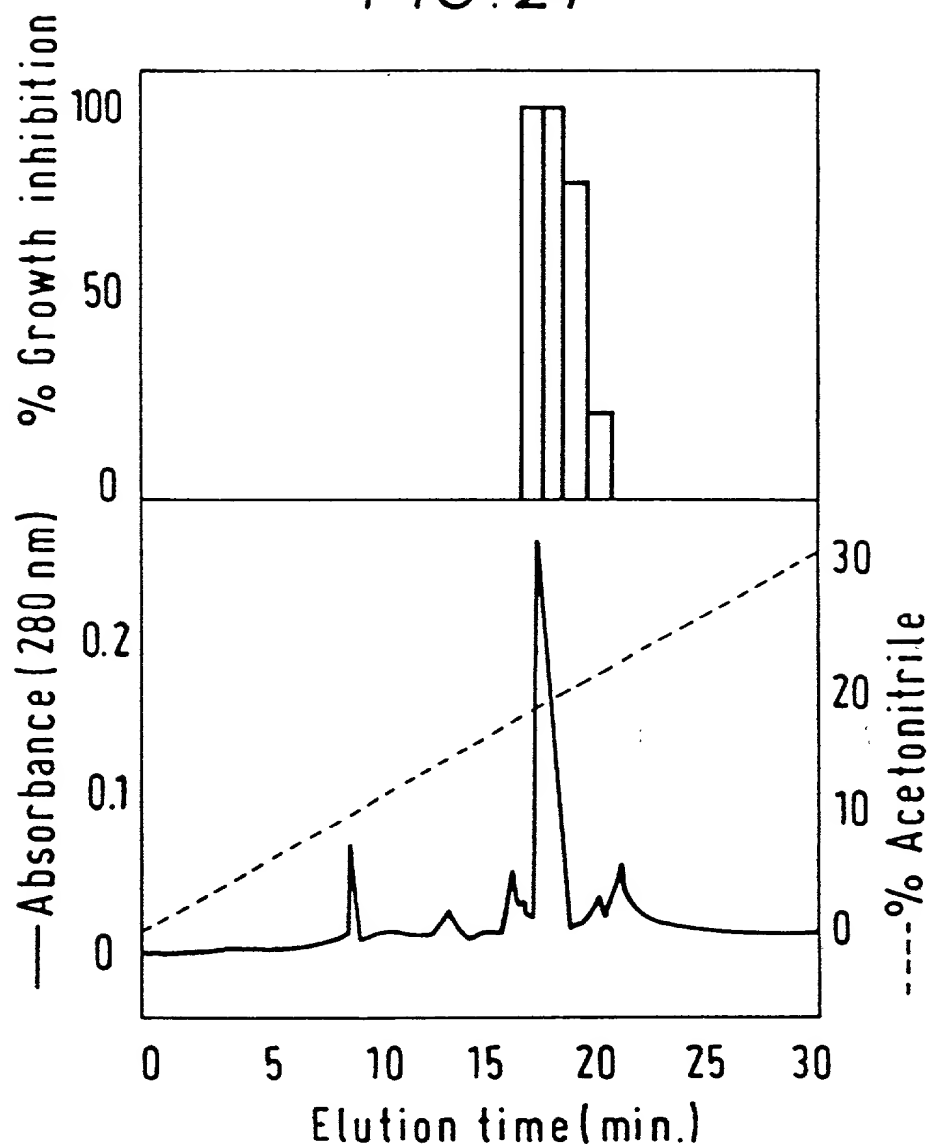


FIG. 22

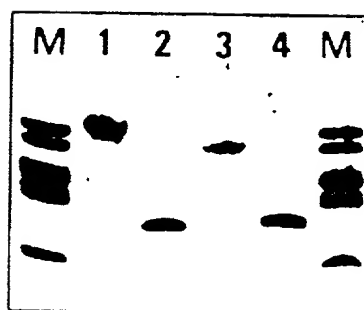


FIG. 23

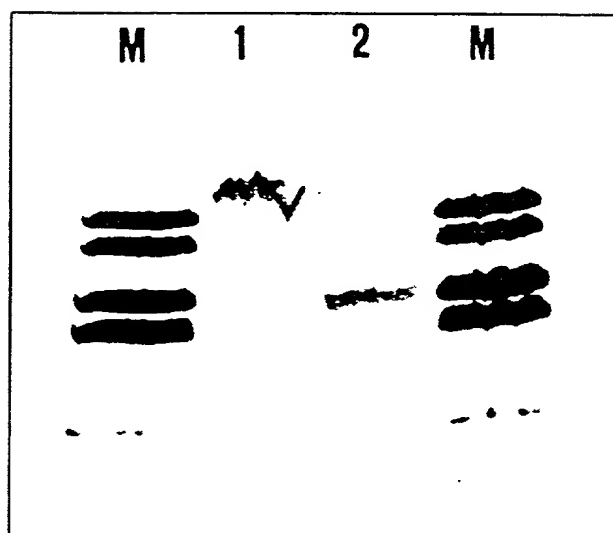


FIG. 24

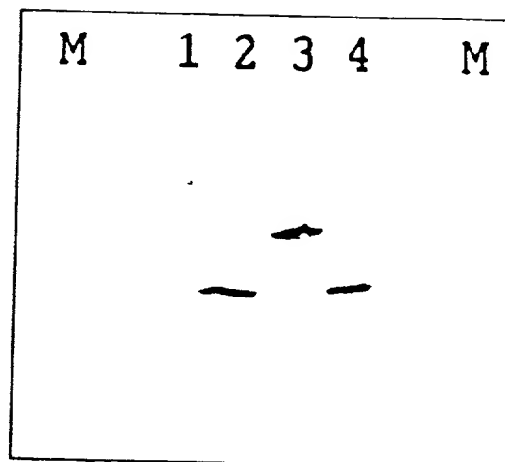


FIG. 25

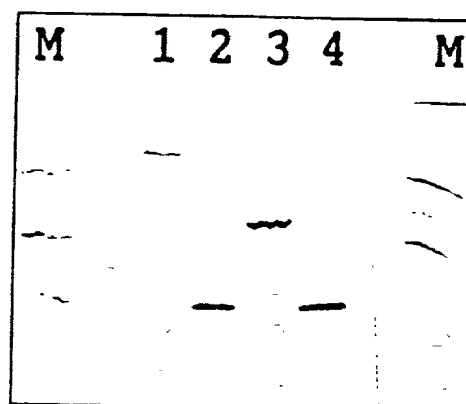


FIG. 26

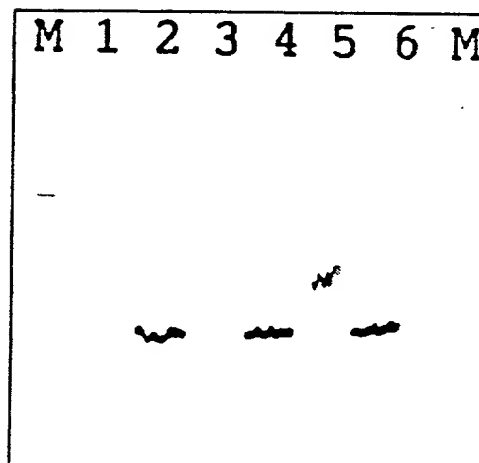


FIG. 27

Rs-AFP1 (Q) K L C E R P S G T W S G V C G N N
 Rs-AFP2 (Q) K L C Q R P S G T W S G V C G N N

INACKNQCI NLEKARHGSCN YVFPAHK
 INACKNQCI RLEKARHGSC

Br-AFP1
 Br-AFP2 ? R
 Bn-AFP1
 Bn-AFP2
 Sa-AFP1
 Sa-AFP2 Q R
 At-AFP1 S

FIG. 28

Dm-AMP1
E L C E K A S K T W S G N C G N T G H C D N

Dm-AMP2
E V C E K A S K T W S G N C G N T G H C

Cb-AMP1
E L C E K A S K T W S G N C G N T K H C D D

Cb-AMP2
E L C E K A S K T W S G N C G N T K H C D N

Q C K S W E G A A H G A C H V R N G K H M C F C Y F N C

Q C K S W E G A A H G A C H V R N G K H M C F C Y F N C

K C K S W E G A A H G A C H V R S G K H M C F C Y F N C

FIG. 29

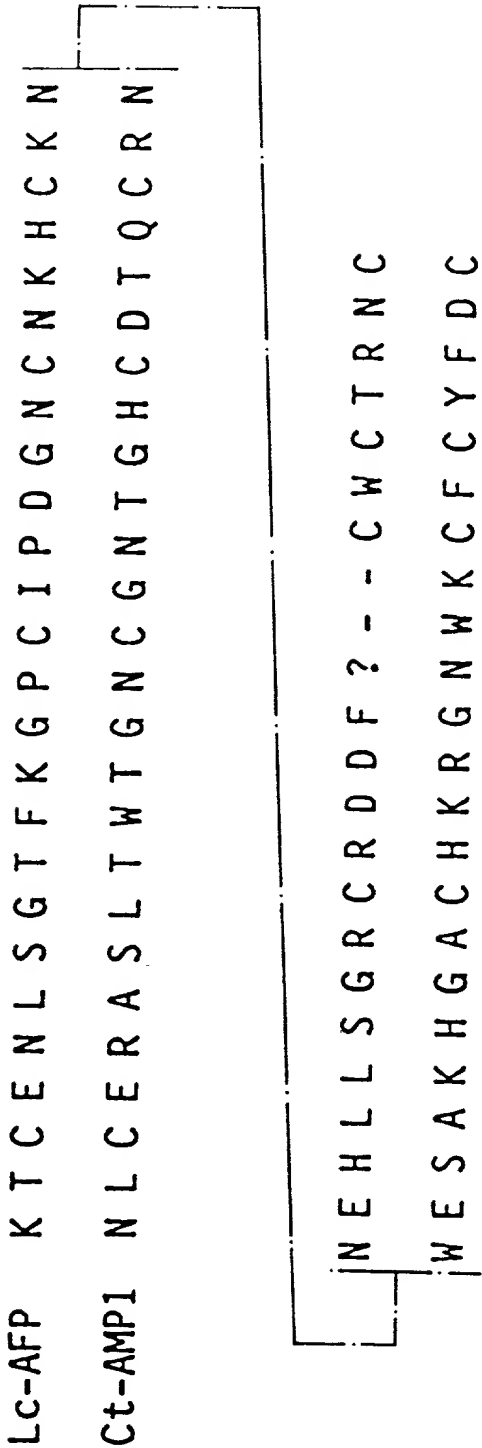


FIG. 30 (3/3)

P	A	H	K	C	I	C	Y	F	P	C
G	K	H	M	C	F	C	Y	F	N	C
G	K	H	M	C	F	C	Y	F	N	C
G	K	H	M	C	F	C	Y	F	N	C
-	-	-	?	C	W	C	T	R	N	C
G	N	W	K	C	F	C	Y	F	D	C
-	-	-	R	C	W	C	T	K	N	C
-	-	-	K	C	F	C	T	Q	N	C
-	-	V	R	C	W	C	T	R	N	C
-	R	R	R	C	F	C	T	K	P	C
-	-	R	Q	C	K	C	I	R	Q	C
-	-	R	R	C	K	C	I	R	Q	C

FIG. 31A (1/2)

Dm-AMP1

GAG CTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC
TGG GAG GGA GCT GCT CAT GGA GCT TGC CAT GTT AGA AAC

Dm-AMP2

GAG GTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC

Cb-AMP1

GAG CTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC
TGG GAG GGA GCT GCT CAT GGA GCT TGC CAT GTT AGA AAC

Cb-AMP2

GAG CTT TGC GAG AAG GCT TCT AAG ACT TGG TCT GGA AAC
TGG GAG GGA GCT GCT CAT GGA GCT TGC CAT GTT AGA TCT

FIG. 31A(2/2)

TGC GGA AAC ACT GGA CAT TGC GAT AAC CAA TGC AAG TCT

GGA AAG CAT ATG TGC TTC TGC TAC TTC AAC TGC

TGC GGA AAC ACT GGA CAT TGC

TGC GGA AAC ACT AAG CAT TGC GAT GAT CAA TGC AAG TCT

GGA AAG CAT ATG TGC TTC TGC TAC TTC AAC TGC

TGC GGA AAC ACT AAG CAT TGC GAT AAC AAG TGC AAG TCT

GGA AAG CAT ATG TGC TTC TGC TAC TTC AAC TGC

FIG. 31B

Lc-AFP

AAG ACT TGC GAG AAC CTT TCT GGA ACT TTC AAG GGA CCA

AAC GAG CAT CTT CTT TCT GGA AGA TGC AGA GAT GAT TTC

Ct-AMPI

AAC CTT TGC GAG AGA GCT TCT CTT ACT TGG ACT GGA AAC

TGG GAG TCT GCT AAG CAT GGA GCT TGC CAT AAG AGA GGA

TGC ATT CCA GAT GGA AAC TGC AAC AAG CAT TGC AAG AAC

??? TGC TGG TGC ACT AGA AAC TGC

TGC GGA AAC ACT GGA CAT TGC GAT ACT CAA TGC AGA AAC

AAC TGG AAG TGC TTC TGC TAC TTC GAT TGC

FIG. 32

Rs-nsLTP	A L S C G T V N S N L A A C I G Y L T Q
	N A P L A R G C C T G V T N L N N M A ? T T P

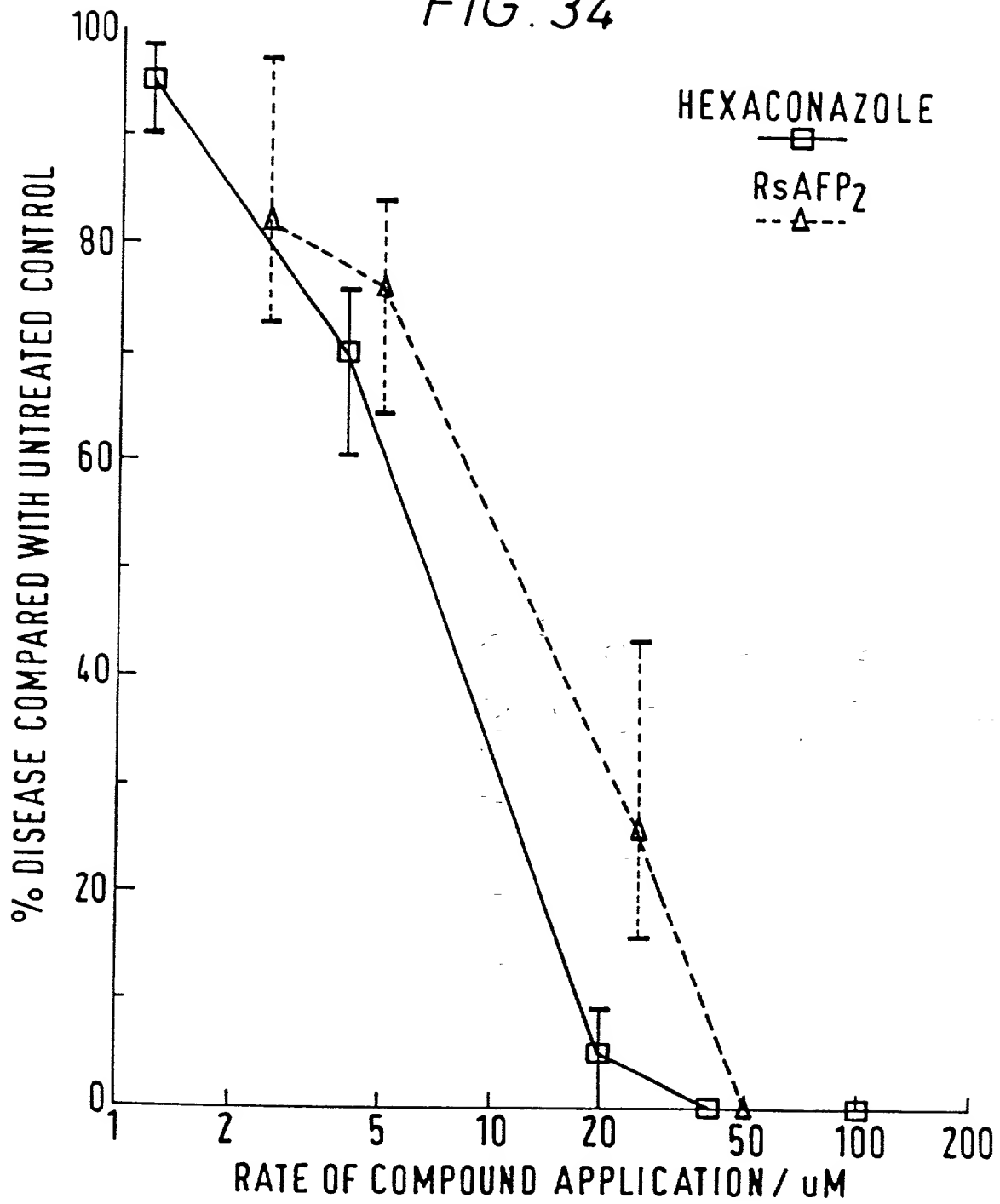
FIG. 33 (1/2)

Rs-nsLTP	A L S C G T V N S N L A A C I G Y L T Q
So-nsLTP	G I T C G M V S K L A P C I G Y L K G
Rc-nsLTP	V D C G Q V N S S L A S C I P F L T G
Dc-nsLTP	V L T C G Q V T G A L A P C L G Y L R S
Hv-nsLTP	A L N C G Q V D S K N K P C L T Y V Q G
Zm-nsLTP	A I S C G Q V A S A I A P C I S Y A R G

FIG. 33 (2/2)

N - A - - -	P L	A R G	C C T G V	T N	L N N M	A ?	T T P	...
G - - - -	P L	G G S	S G G I K	A	L N A A	A	T T P	...
G V A S - -	P S	A S -	C C A G V	Q N	L K T L	A	T S A	...
Q V N V P V	P L	T - -	C C N V V R	G	L N N A	A	T T L	...
G P G - G -	P S	G L -	C C N G V R	D	L H N Q	A	S S G	...
Q - G S G -	P S	A - G	C C S G V R	S	L N N A	A	T T A	...

FIG. 34



GTTTTATTAGTGATCAIGGCTAAGTTTGGCTCCTCATCGCACATT 45
 M A K F A S I I A L

 CTTTTGCTGCTCTTGTTCITTTTGTGCTGCTTTTCGAAGCACCAACA 90
 L F A A L V L F A A F E A E T

 ATGGTGAAGCACAGAAAGTTGTGCGAAAGGCCAAGTGGGACATGG 135
 M V E A Q K L C E R P S G T W

 TCAGGAGTCTGTGGAAACAATAACGCGATGCAAGAATCAGTGCATT 180
 S G V C G N N N A C K N Q C I

 AACCTTGAGAAAGCACGACATGGATCTTGCAACTATGTCTTCCCA 225
 N L E K A R H G S C N Y V F P

 GCTCACAAGTGTATCTGCTACTTTCCTTGTIAATTTATCGCAAAC 270
 A H K C I C Y F P C *

 TCTTTGGTGAATAGTTTTTATGTAATTTACACAAAATAAGTCAGT 315

 GTCACATCCATGAGTGATTTTAAGACATGTACCAGATATGTTAT 360

 GTTGGTTCGGTTATACAAATAAAGTTTTTATTCACCAAAAAAAA 405

 AAAAAAAAAA 414

FIG. 35

GAGAAA 45
 E K

 AGTGT 90
 K C

 GTTAA 135

 CTATT 180

 GGGTT 225

 GCTCA 270

 284

GAAATTCGGGCGCC

10 | 20 | 30 | 40 | 50 | 60
 GTTTATTAGTCATGGCTAAGTTGCGTCCATCATCGCACTTCTTTTGGCTGCTCTT

M A K F A S I I A L L F A A L

70 80 90 100 110 120
GTTCTTTTGTGCTTTCGAAGCACCAACAATGTTGGAAGCACAGAAGTTGTGCCAAAGG

V	L	F	A	A	F	E	A	P	T	M	V	E	A
Q	K	L	C	Q	R								

FIG. 37 (2/2)

130 | 140 | 150 | 160 | 170 | 180 |
 CCAAGTGGACATGGTCAGGAGTCTGTGGAACAATAACGCATGCAAGAATCAGTGCAATT

P S G T W S G V C G N N N A C K N Q C I

190 | 200 | 210 | 220 | 230 | 240 |
 AGACTTGAGAAAGCACGACATGGATCTTGCAACTATGTCTTCCAGCTCACAAGTGATC

R L E K A R H G S C N Y V F P A H K C I

250 | 260 |
 TGCTACTTTCCTTGTTAATAG

C Y F P C - -

FIG. 38

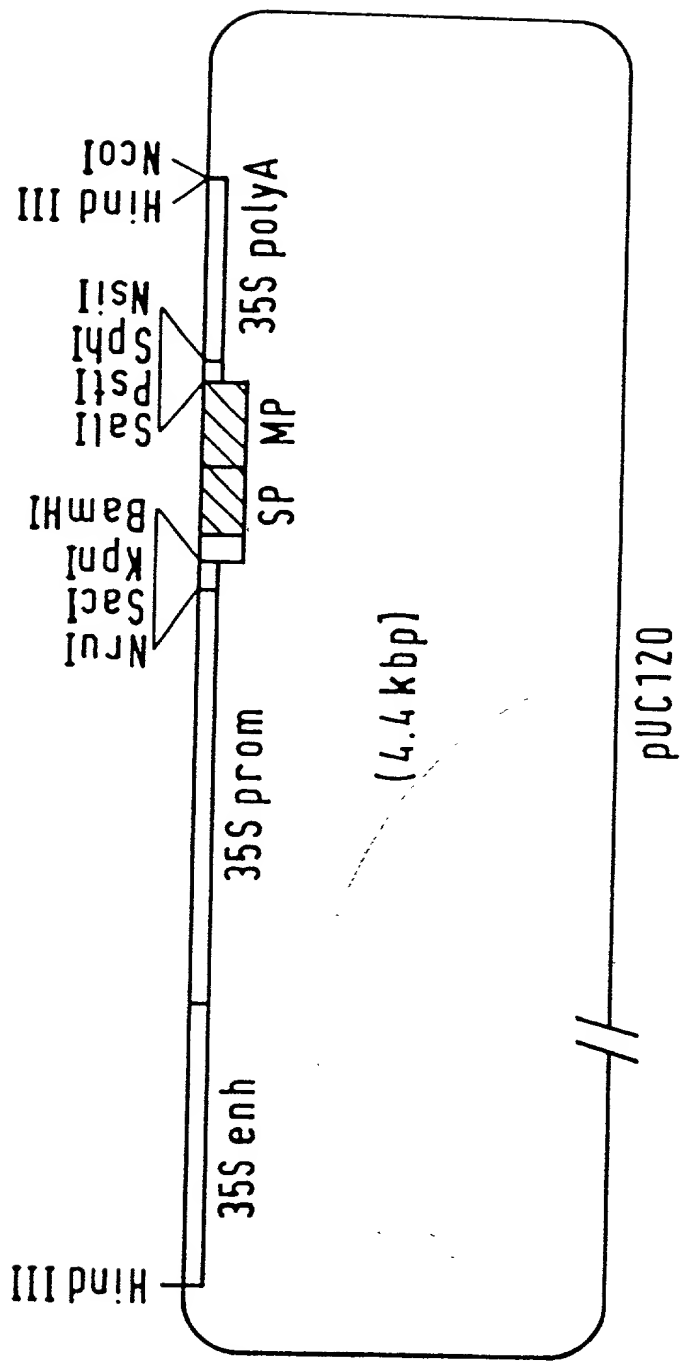


FIG. 39

